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## Patent Proof Copy Pilot Project

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Fax No. 215-682-8284

Application No. 09/655,841☐ There were no errors on the proof copy.

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Customer Name (Number): Finnegan, Henderson, Farabow, Garrett &amp; Dunner - (22852)

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Reviewer: K. Hawkinson

## Comments:

Please note the following error:

In Claim 31, col. 10, line 10, "where in" should read -wherein-.

Thank you.

Claims 10, 11, + 12 insert "to" after according.

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Ingredient	Example 3	Example 4	Example 5
Nitrocellulose	11	11	11
Tosylamide/formaldehyde copolymer	10.1	10.1	10.1
Bentonite	1.1	1.1	1.1
Tributyl acetyl citrate	6.7	6.7	6.7
Isopropyl alcohol	7.9	7.9	7.9
Pigment (1)	10	—	—
Pigment (2)	—	10	—
Aluminum powder (3)	—	—	10
Ethyl acetate	22	22	22
Butyl acetate	39.2	39.2	39.2

(1): Silver-coated glass particles sold under the name GF 2140 by the company Toyai

(2): Silver-coated glass particles sold under the name Micro-glass Metashine REFSX 2025PS by the company Toyai

(3): Aluminum powder sold under the name Silver ET 1630 by the company Silbartina

## a) Wear-resistance Test

The wear resistance of the films was measured according to AFNOR standard NF T 30-015. Each composition was applied in the form of a coat 600 nm thick (before drying) onto a disc and then left to dry for 1 hour at 30° C. The film of varnish deposited on the disc was then placed for 1 hour in contact with abrasive discs (Taber abrasimeter); the disc making a complete rotation in one second. After 1 hour, the disc was weighed and the loss of mass LM of product, expressed as a percentage of the weight lost relative to the initial weight, was calculated.

The following results were obtained:

LM=3.50%

Example 3

LM=1.98%

Example 4

LM=5.99%

Example 5

It is seen that compositions 3 and 4 according to the invention have better abrasion strength than composition 5.

## b) Light-reflection Test

The test compositions contained 5% by weight of pigment (1), (2) or (3), respectively, instead of 10%.

For each composition, a coat 300 µm thick (before drying) was deposited on a glass plate and, after drying for 24 hours at room temperature, the light-reflecting properties of the film of varnish were then determined.

The film was lit with a light beam 1 cm in diameter inclined at an angle of 30° relative to the normal to the plane of the glass plate, and the amount of light reflected as a function of the angle was then measured using a variable-angle 10 photogoniometer.

For each composition, the reflection curve had the following characteristics:

	Example 3	Example 4	Example 5
Peak maximum (in arbitrary units, at the specular angle -30°)	253.7	451.6	173.1
Width at mid-height (in ° of angle)	12.5	14	21

It is seen that the reflection curves for the films obtained with the compositions of Examples 3 and 4 according to the

invention have a higher maximum and a narrower width at mid-height than the reflection curve for the film of Example 5. The films of Examples 3 and 4 thus reflect light much more than the film of Example 5. In addition, the films of Examples 3 and 4 scatter light less than the film of Example 5, because the divergence of the reflected beam is lower for the films of Examples 3 and 4 than that for the film of Example 5. The coated glass particles of Examples 3 and 4 thus make it possible to obtain a glossier and more sparkly make-up than the make-up of Example 5 obtained with aluminum powder, which is much more matt.

## c) Light-transmission Test

On the same films used for the light-reflection test described above, each film was lit with a light beam oriented perpendicularly to the film (angle of 90° relative to the plane of the glass plate). The amount of light crossing through the film as a function of the angle was measured. The transmission "T" of the light was measured for the angle of -90° and the following arbitrary values were obtained:

T=188.6

Example 3

T=114.9

Example 4

T=0

Example 5

It is seen that the films of Examples 3 and 4 are good light transmitters and are not light-scattering, whereas the film of Example 5, which does not transmit light, is opaque.

What is claimed is:

1. A cosmetic make-up composition comprising at least one dyestuff in a cosmetically acceptable medium, wherein the at least one dyestuff comprises glass particles coated with at least one metallic coat.

2. The composition according to claim 1, wherein the at least one metallic coat is formed from at least one metal chosen from silver, nickel, chromium, molybdenum, aluminum, gold, copper, tin and magnesium.

3. The composition according to claim 2, wherein the at least one metallic coat is formed from at least one metal chosen from silver, nickel, chromium and molybdenum.

4. The composition according to claim 1, wherein the at least one metallic coat is present in an amount ranging from 0.1% to 50% by weight, relative to the total weight of the particles.

5. The composition according to claim 4, wherein the at least one metallic coat is present in an amount ranging from 1% to 20% by weight, relative to the total weight of the particles.

6. The composition according to claim 5, wherein the at least one metallic coat is present in an amount ranging from 2% to 8% by weight, relative to the total weight of the particles.

7. The composition according to claim 1, wherein the glass particles coated with the at least one metallic coat have an average size ranging from 1 µm to 500 µm.

8. The composition according to claim 7, wherein the glass particles coated with the at least one metallic coat have an average size ranging from 10 µm to 300 µm.

9. The composition according to claim 8, wherein the glass particles coated with the at least one metallic coat have an average size ranging from 25 µm to 150 µm.

10. The composition according to claim 1, wherein the glass particles coated with the at least one metallic coat have a thickness ranging from 0.1 µm to 25 µm.

11. The composition according to claim 10, wherein the glass particles coated with the metallic coat have a thickness ranging from 0.5 µm to 10 µm.

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12. The composition according to claim 11, wherein the glass particles coated with the at least one metallic coat have a thickness ranging from 0.5  $\mu\text{m}$  to 5  $\mu\text{m}$ .

13. The composition according to claim 1, wherein the glass particles coated with the at least one metallic coat are present in an amount ranging from 0.1% to 90% by weight, relative to the total weight of the composition.

14. The composition according to claim 13, wherein the glass particles coated with the at least one metallic coat are present in an amount ranging from 1% to 30% by weight, relative to the total weight of the composition.

15. The composition according to claim 14, wherein the glass particles coated with the at least one metallic coat are present in an amount ranging from 2% to 10% by weight, relative to the total weight of the composition.

16. The composition according to claim 1, wherein the cosmetically-acceptable medium is chosen from at least one solvent and water.

17. The composition according to claim 16, wherein the at least one solvent is chosen from organic solvents.

18. The composition according to claim 1, wherein the cosmetically-acceptable medium is chosen from an aqueous-alcoholic mixture.

19. The composition according to claim 18, wherein the aqueous-alcoholic mixture comprises at least one  $\text{C}_1$ - $\text{C}_2$  monoalcohol.

20. The composition according to claim 17, wherein said organic solvents are liquid at room temperature and are chosen from ketones, alcohols, glycols, ethers, alkanes, cyclic aromatic compounds, and aldehydes.

21. The composition according to claim 17, wherein said organic solvents are liquid at room temperature and are chosen from propylene glycol ethers.

22. The composition according to claim 17, wherein said organic solvents are short-chain esters containing from 3 to 8 carbon atoms in total.

23. The composition according to claim 16, wherein the at least one solvent is present in an amount ranging from 30% to 99% by weight, relative to the total weight of the composition.

24. The composition according to claim 23, wherein the at least one solvent is present in an amount ranging from 60% to 90% by weight, relative to the total weight of the composition.

25. The composition according to claim 1, further comprising at least one film-forming polymer.

26. The composition according to claim 25, wherein said at least one film-forming polymer is dissolved in the cosmetically acceptable medium of the composition.

27. The composition according to claim 25, wherein said at least one film-forming polymer is dispersed in the form of particles in the cosmetically acceptable medium of the composition.

28. The composition according to claim 25, wherein the at least one film-forming polymer is chosen from radical-mediated polymers, polycondensates, and polymers of natural origin.

29. The composition according to claim 25, wherein the at least one film-forming polymer is chosen from vinyl polymers, vinyl copolymers, acrylic polymers, polyurethanes, polyurethane-acrylics, polyurethane-polyvinylpyrrolidones, polyester-polyurethanes, polyether-polyurethanes, polyureas, polyurea-polyurethanes, polyesters, polyesteramides, fatty-chain polyesters,

polyamides, epoxyester resins, resins resulting from the condensation of formaldehyde with an arylsulphonamide, arylsulphonamide epoxy resins, shellac resins, sandarac gums, dammar resins, clemis gums, copal resins and cellulose polymers.

30. The composition according to claim 29, wherein the cellulose polymers are chosen from nitrocelluloses, cellulose acetates, cellulose acetobutyramides, cellulose acetopropionates and ethylcelluloses.

31. The composition according to claim 25, wherein the at least one film-forming polymer is present in an amount ranging from 1% to 70% by weight, relative to the total weight of the composition.

32. The composition according to claim 31, wherein the at least one film-forming polymer is present in an amount ranging from 10% to 40% by weight, relative to the total weight of the composition.

33. The composition according to claim 1, further comprising at least one additional dyestuff, other than the at least one dyestuff comprising glass particles coated with the at least one metallic coat.

34. The composition according to claim 33, wherein the at least one additional dyestuff is chosen from dyes and pulverulent dyestuffs.

35. The composition according to claim 33, wherein the at least one additional dyestuff is present in an amount ranging from 0.01% to 50% by weight, relative to the weight of the composition.

36. The composition according to claim 35, wherein the at least one additional dyestuff is present in an amount ranging from 0.01% to 30% by weight, relative to the weight of the composition.

37. The composition according to claim 1, further comprising at least one additive chosen from auxiliary film-forming agents, thickeners, filler, spreading agents, wetting agents, dispersants, anti-foaming agents, preserving agents, UV-screening agents, active agents, surfactants, moisturizers, fragrances, neutralizing agents, stabilizers, and antioxidants.

38. A nail varnish, a face powder, an eyeshadow, a foundation, a mascara, a make-up product for the lips, an eyeliner, or a make-up product for the body comprising at least one dyestuff in a cosmetically acceptable medium, wherein the at least one dyestuff comprises glass particles coated with at least one metallic coat.

39. A process for making up at least one keratin substance comprising applying at least one coat of a composition comprising glass particles coated with at least one metallic coat to the at least one keratin substance to obtain a made-up keratin substance.

40. A process for making a composition for making-up at least one keratin substance comprising including in said composition glass particles coated with at least one metallic coat in an amount sufficient to impart a glossy and/or wear-resistant make-up.

41. A made-up support resulting from the application thereto of a make-up composition comprising glass particles coated with at least one metallic coat.

42. A made-up false nail, false eyelash, pastille, patch adhering to the skin or the lips, or a wig resulting from the application thereto of a make-up composition comprising glass particles coated with at least one metallic coat.

\* \* \* \* \*

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